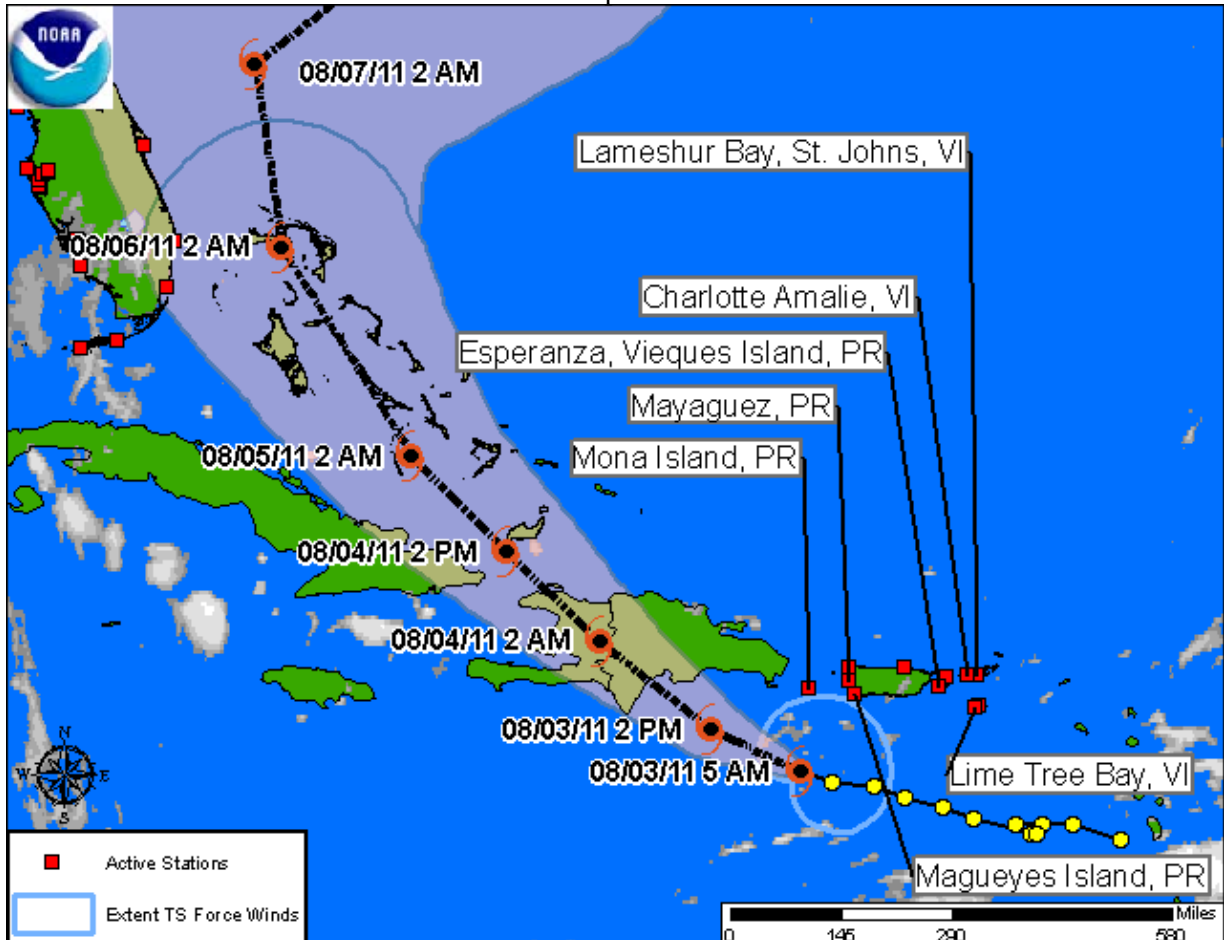




Tropical Storm EMILY QuickLook  
Posted: 06:00 AST 08/03/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/03/2011 06:00 AST, water levels in the U.S. Virgin Islands and Puerto Rico are slightly elevated and range from 0.3 to 0.6 feet above predictions. Winds are generally steady, however gusts up to 38 knots have been recorded at Lime Tree Bay, VI and Esperanza, PR. Barometric pressure remains steady across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Lime Tree Bay, VI Next predicted high tides are 0.47 ft (0.14 m) at 08/03/2011 09:59 AST and 0.64 ft (0.19 m) at 08/03/2011 22:29 AST.

Lameshur Bay, VI Next predicted high tides are 0.54 ft (0.16 m) at 08/03/2011 12:55 AST and 0.65 ft (0.20 m) at 08/04/2011 00:40 AST.

Tropical Storm EMILY QuickLook, POSTED 06:00 AST 08/03/2011

Charlotte Amalie, VI Next predicted high tides are 0.62 ft (0.19 m) at 08/03/2011 12:53 AST and 0.68 ft (0.21 m) at 08/04/2011 00:09 AST.

Esperanza, PR Next predicted high tides are 0.44 ft (0.13 m) at 08/03/2011 11:00 AST and 0.59 ft (0.18 m) at 08/03/2011 22:57 AST.

Magueyes, PR Next predicted high tides are 0.62 ft (0.19 m) at 08/03/2011 22:10 AST and 0.65 ft (0.20 m) at 08/04/2011 20:49 AST.

Mayaguez, PR Next predicted high tides are 1.01 ft (0.31 m) at 08/03/2011 12:29 AST and 1.00 ft (0.30 m) at 08/04/2011 00:44 AST.

Mona Island, PR Next predicted high tides are 0.47 ft (0.14 m) at 08/03/2011 11:58 AST and 0.62 ft (0.19 m) at 8/03/2011 23:46 AST.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:MPM

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM EMILY ADVISORY NUMBER 7

500 AM AST WED AUG 03 2011

...EMILY CONTINUES HEADING FOR HISPANIOLA...

ABOUT 180 MI KM SE OF SANTO DOMINGO DOMINICAN REPUBLIC NEAR LATITUDE 16.5 NORTH...LONGITUDE 68.1 WEST MAXIMUM

WATCHES AND WARNINGS  
-----

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* PUERTO RICO...VIEQUES AND CULEBRA

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND

WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

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AT 500 AM AST THE CENTER OF TROPICAL STORM EMILY WAS LOCATED ABOUT 180 MI KM SE OF SANTO DOMINGO DOMINICAN

REPUBLIC NEAR LATITUDE 16.5 NORTH...LONGITUDE 68.1 WEST. MILY IS MOVING TOWARD THE WEST-NORTHWEST NEAR 14 MPH. A

TURN TOWARD THE NORTHWEST WITH LITTLE CHANGE IN FORWARD SPEED IS EXPECTED OVER THE NEXT COUPLE OF DAYS. ON THE

FORECAST TRACK...THE CENTER OF EMILY WILL MOVE ACROSS HISPANIOLA LATE TODAY AND TONIGHT AND INTO THE SOUTHEASTERN

BAHAMAS AND TURKS AND CAICOS ISLANDS ON THURSDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 50 MPH WITH HIGHER GUSTS. SOME STRENGTHENING IS POSSIBLE BEFORE THE CENTER

REACHES HISPANIOLA...AND WEAKENING IS EXPECTED AS THE CENTER MOVES OVER THE HIGH TERRAIN OF THAT ISLAND. SOME

RE-STRENGTHENING IS FORECAST AFTER THE CENTER MOVES AWAY FROM HISPANIOLA.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 115 MILES FROM THE CENTER.

AN AIR FORCE RESERVE UNIT HURRICANE HUNTER AIRCRAFT REPORTED A MINIMUM CENTRAL PRESSURE OF 1003 MB...29.62 INCHES.

HAZARDS AFFECTING LAND

-----  
STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY 1 TO 2 FEET ABOVE NORMAL TIDE LEVELS IN THE TROPICAL STORM

WARNING AREA. NEAR THE COAST...THE SURGE WILL BE ACCOMPANIED BY LARGE AND DANGEROUS WAVES.

FORECASTER PASCH

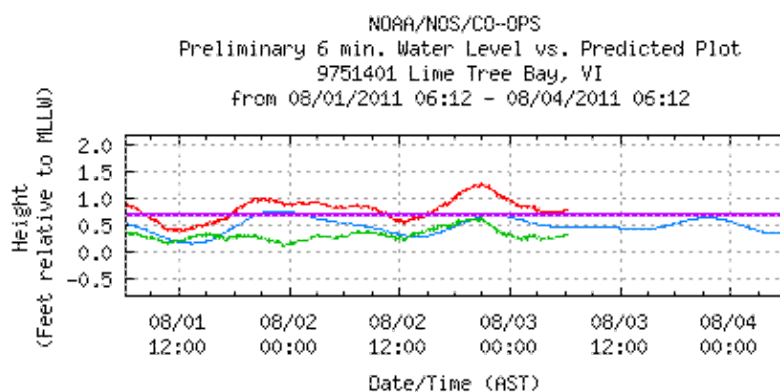
For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Lime Tree Bay - Water Level](#), [Lime Tree Bay - Winds](#), [Lime Tree Bay - Barometric](#), [Lime Tree Bay - Air/Water Temp](#), [Lameshur Bay, St. John - Water Level](#), [Lameshur Bay, St. John - Barometric](#), [Lameshur](#)

Tropical Storm EMILY QuickLook, POSTED 06:00 AST 08/03/2011

Bay, St. John - Air/Water Temp, Charlotte Amalie - Water Level, Charlotte Amalie - Barometric, Charlotte Amalie - Air/Water Temp, Esperanza, Vieques Island - Water Level, Esperanza, Vieques Island - Winds, Esperanza, Vieques Island - Barometric, Esperanza, Vieques Island - Air/Water Temp, Magueyes Island - Water Level, Magueyes Island - Winds, Magueyes Island - Barometric, Magueyes Island - Air/Water Temp, Mayaguez - Water Level, Mayaguez - Winds, Mayaguez - Barometric, Mayaguez - Air/Water Temp, Mona Island - Water Level,

Lime Tree Bay, VI - Return to List



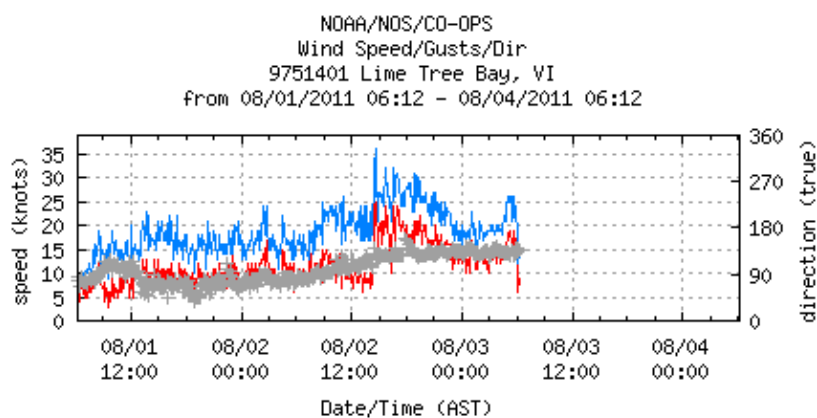
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/03/2011 06:12 (AST)

Relative to MLLW: **Observed: 0.77 ft.** **Predicted: 0.46 ft.** **Residual: 0.31 ft.**

Historical Maximum Water Level: Nov 17 1999, 1.88 ft. above MHHW

Lime Tree Bay, VI - Return to List

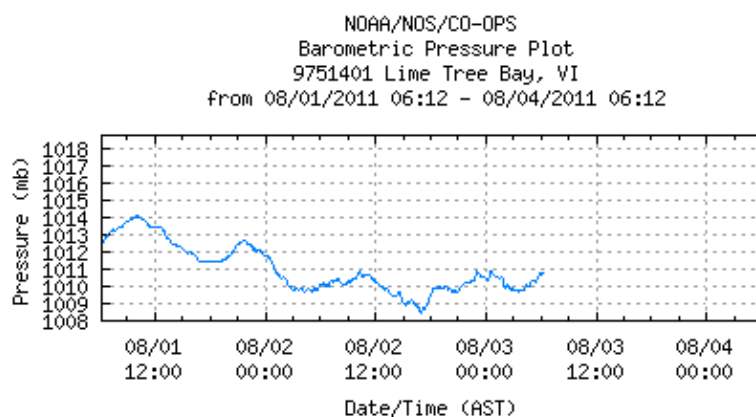


speed — gusts — direction +

Last Observed Sample: 08/03/2011 06:12 (AST)

**Wind Speed: 9 knots** **Gusts: 14 knots** **Direction: 138° T**

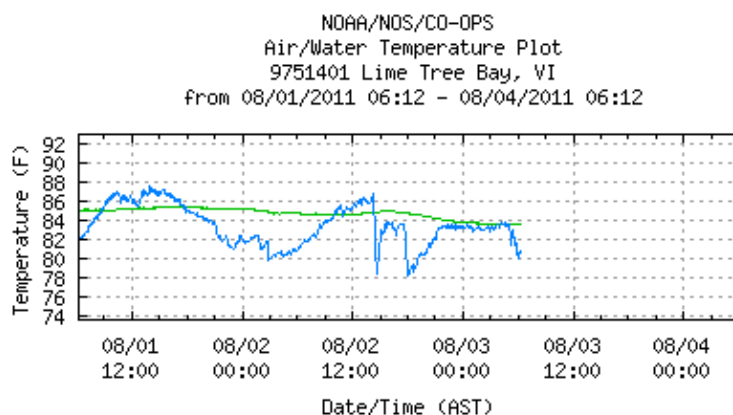
Lime Tree Bay, VI - Return to List



Last Observed Sample: 08/03/2011 06:12 (AST)

Barometric Pressure: 1010.8 mb

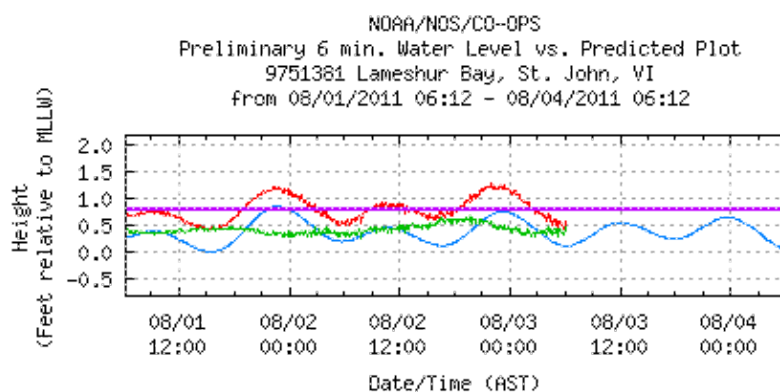
Lime Tree Bay, VI - Return to List



Last Observed Sample: 08/03/2011 06:12 (AST)

Water Temperature: 83.5° F Air Temperature: 80.8° F

[Lameshur Bay, St. John, VI - Return to List](#)



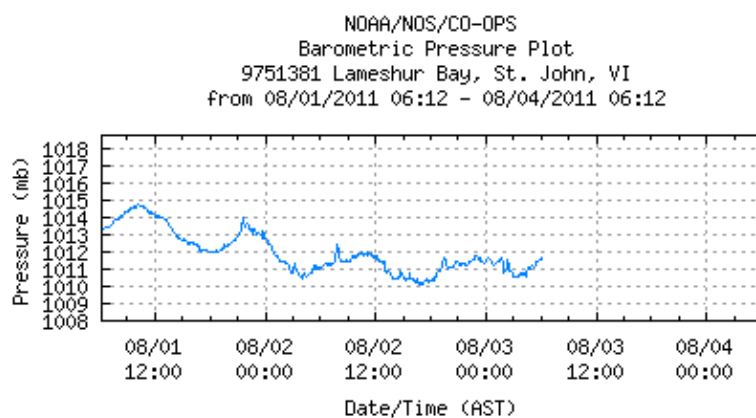
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/03/2011 06:06 (AST)

Relative to MLLW: **Observed: 0.56 ft. Predicted: 0.11 ft. Residual: 0.45 ft.**

Historical Maximum Water Level: Aug 30 2010, 0.9 ft. above MHHW

[Lameshur Bay, St. John, VI - Return to List](#)

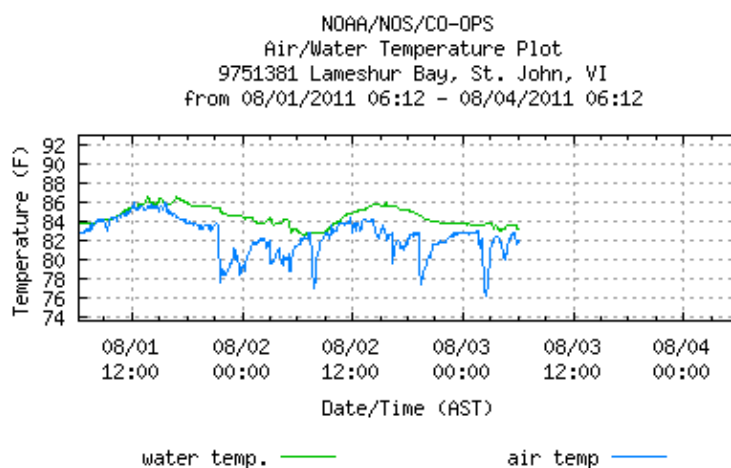


barometric pressure —

Last Observed Sample: 08/03/2011 06:06 (AST)

**Barometric Pressure: 1011.6 mb**

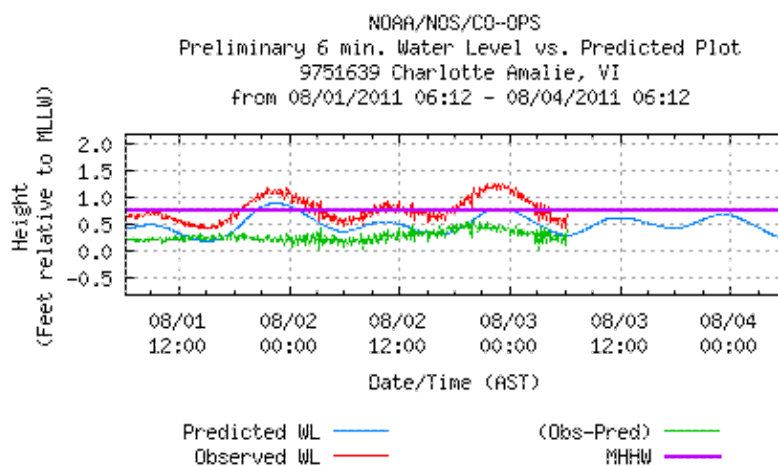
Lameshur Bay, St. John, VI - Return to List



Last Observed Sample: 08/03/2011 06:06 (AST)

Water Temperature: 83.3° F Air Temperature: 81.9° F

Charlotte Amalie, VI - Return to List



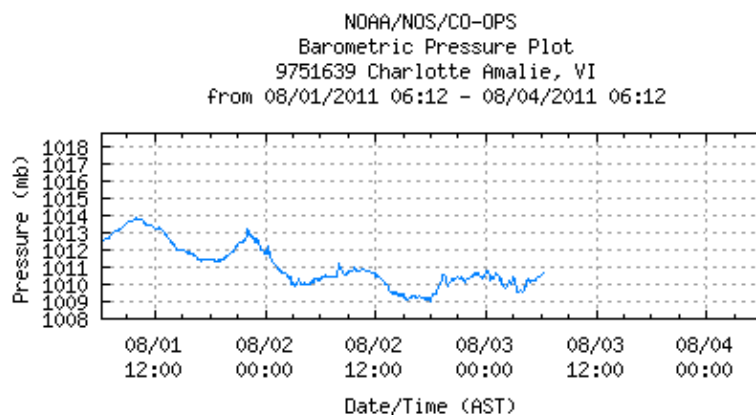
Last Observed Sample: 08/03/2011 06:12 (AST)

Relative to MLLW: Observed: 0.69 ft. Predicted: 0.30 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Sep 16 1995, 2.93 ft. above MHHW



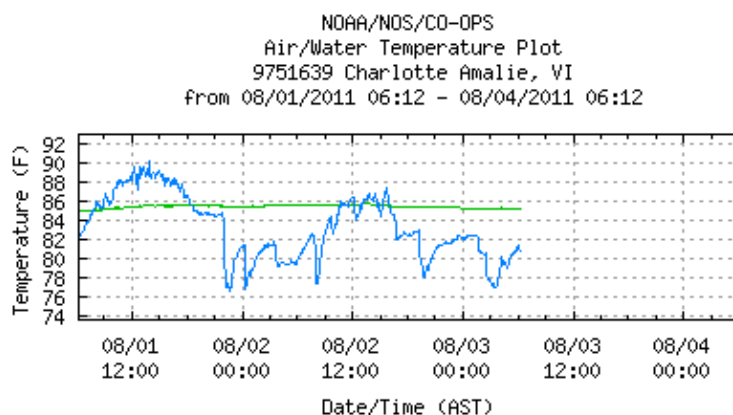
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/03/2011 06:12 (AST)

Barometric Pressure: 1010.7 mb

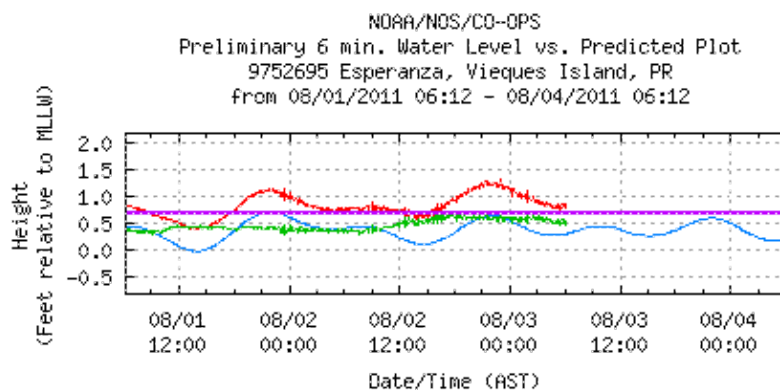
[Charlotte Amalie, VI - Return to List](#)



Last Observed Sample: 08/03/2011 06:12 (AST)

Water Temperature: 85.2° F Air Temperature: 80.9° F

Esperanza, Vieques Island, PR - Return to List



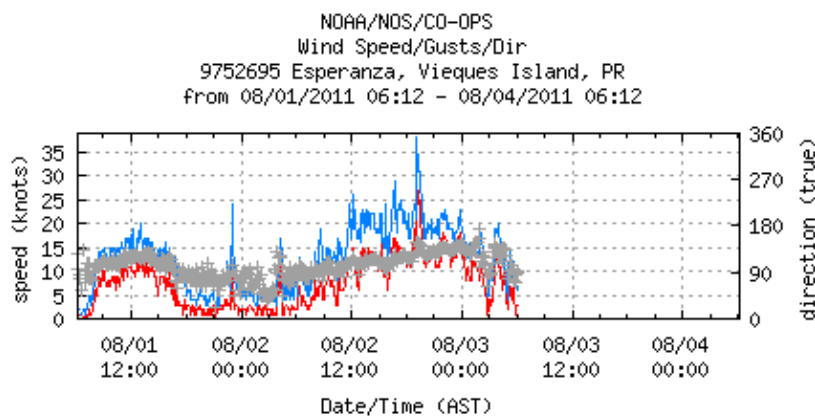
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/03/2011 06:06 (AST)

Relative to MLLW: **Observed: 0.77 ft.** **Predicted: 0.30 ft.** **Residual: 0.47 ft.**

Historical Maximum Water Level: Oct 13 2006, 0.83 ft. above MHHW

Esperanza, Vieques Island, PR - Return to List

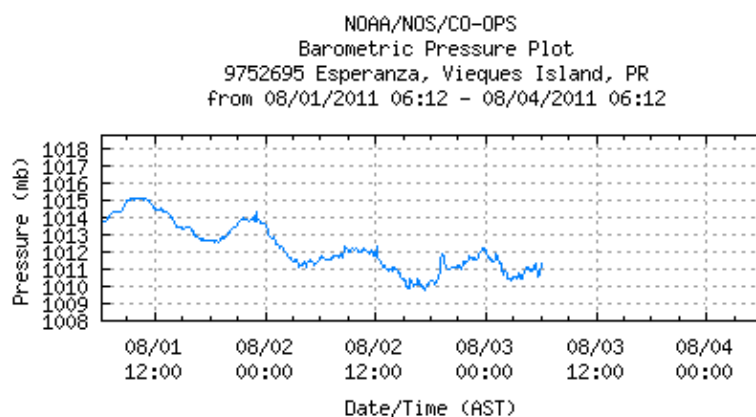


speed — gusts — direction +

Last Observed Sample: 08/03/2011 06:06 (AST)

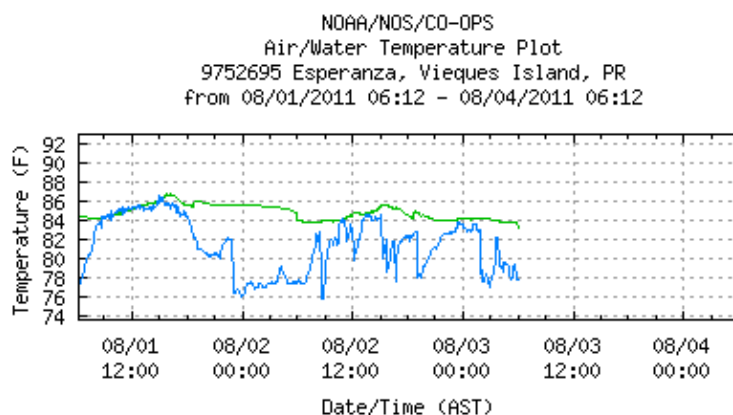
**Wind Speed: 3 knots** **Gusts: 6 knots** **Direction: 93° T**

[Esperanza, Vieques Island, PR - Return to List](#)



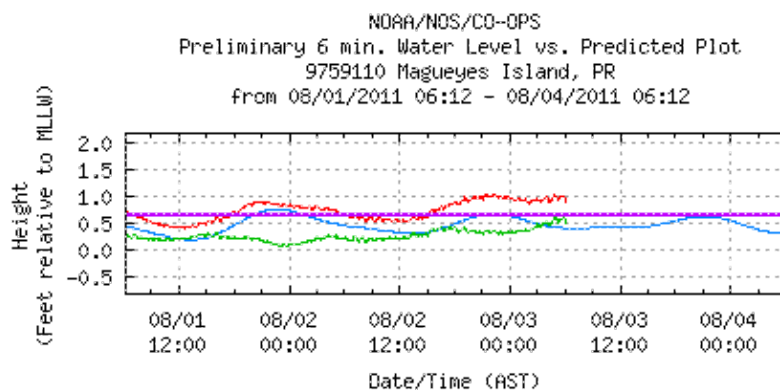
barometric pressure —  
Last Observed Sample: 08/03/2011 06:06 (AST)  
Barometric Pressure: 1011.3 mb

[Esperanza, Vieques Island, PR - Return to List](#)



water temp. — air temp —  
Last Observed Sample: 08/03/2011 06:06 (AST)  
Water Temperature: 83.3° F Air Temperature: 77.9° F

Magueyes Island, PR - Return to List



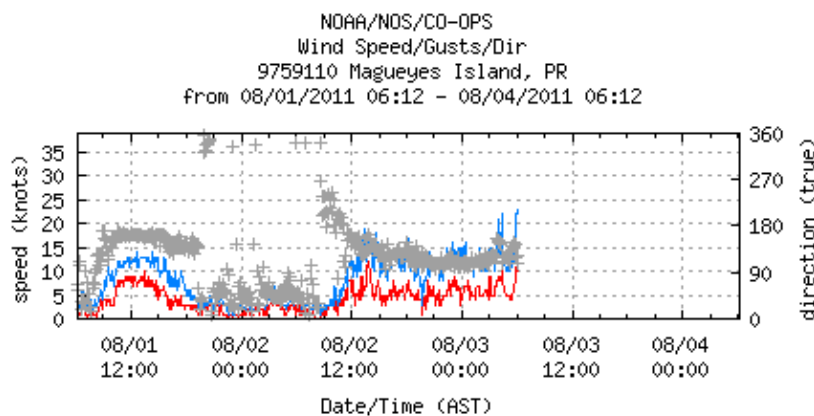
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/03/2011 06:06 (AST)

Relative to MLLW: **Observed: 0.88 ft.** **Predicted: 0.40 ft.** **Residual: 0.48 ft.**

Historical Maximum Water Level: Sep 22 1998, 1.6 ft. above MHHW

Magueyes Island, PR - Return to List

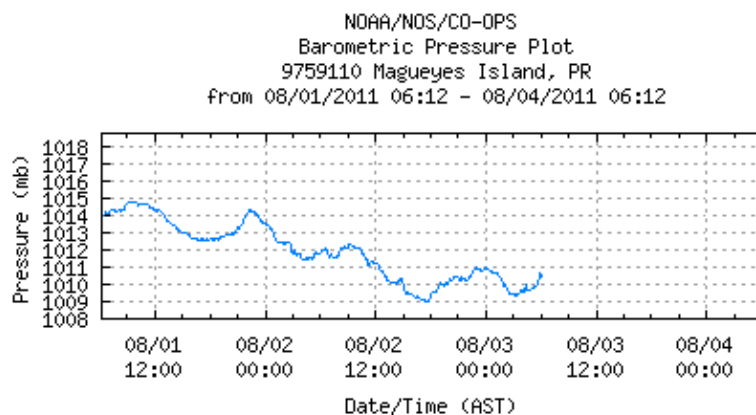


speed — gusts — direction +

Last Observed Sample: 08/03/2011 06:06 (AST)

**Wind Speed: 10 knots** **Gusts: 23 knots** **Direction: 107° T**

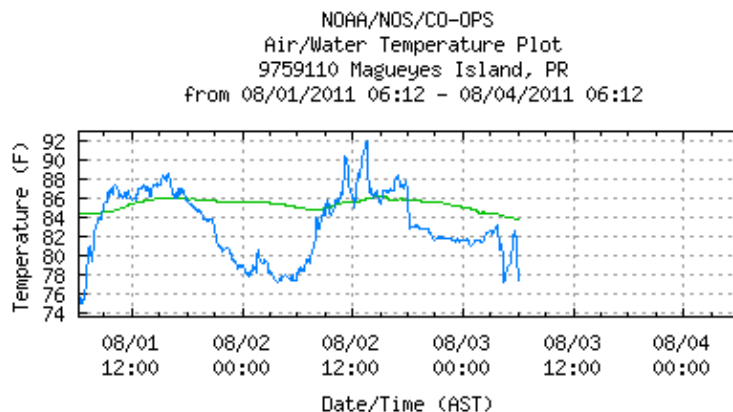
[Magueyes Island, PR - Return to List](#)



Last Observed Sample: 08/03/2011 06:06 (AST)

Barometric Pressure: 1010.4 mb

[Magueyes Island, PR - Return to List](#)

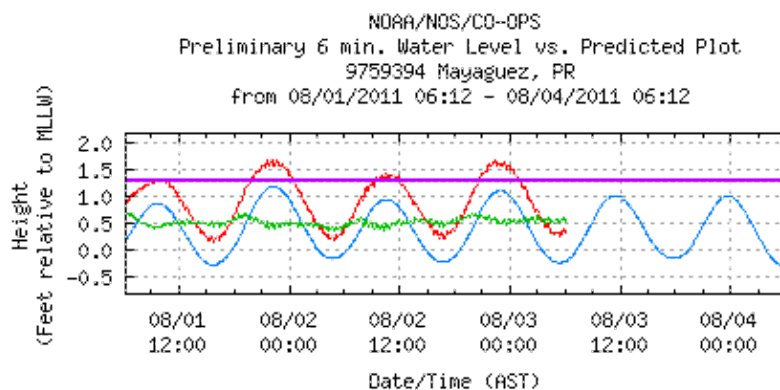


Last Observed Sample: 08/03/2011 06:06 (AST)

Water Temperature: 83.8° F Air Temperature: 77.5° F

Tropical Storm EMILY QuickLook, POSTED 06:00 AST 08/03/2011

Mayaguez, PR - Return to List



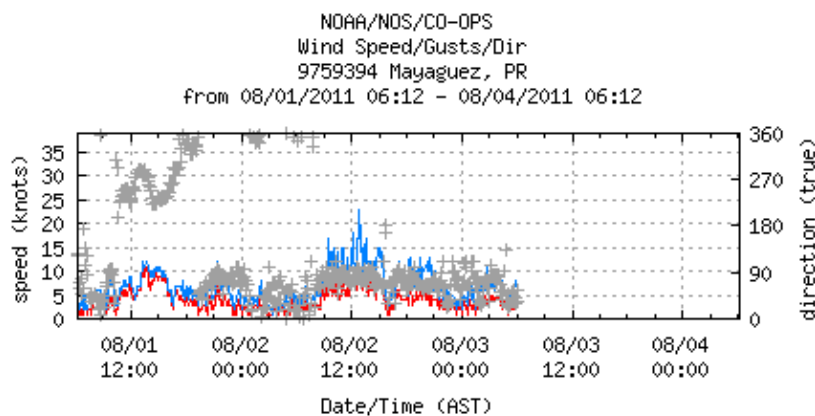
Predicted WL — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 08/03/2011 06:06 (AST)

Relative to MLLW: **Observed: 0.35 ft.** **Predicted: -0.21 ft.** **Residual: 0.56 ft.**

Historical Maximum Water Level: , 0 ft. above MHHW

Mayaguez, PR - Return to List

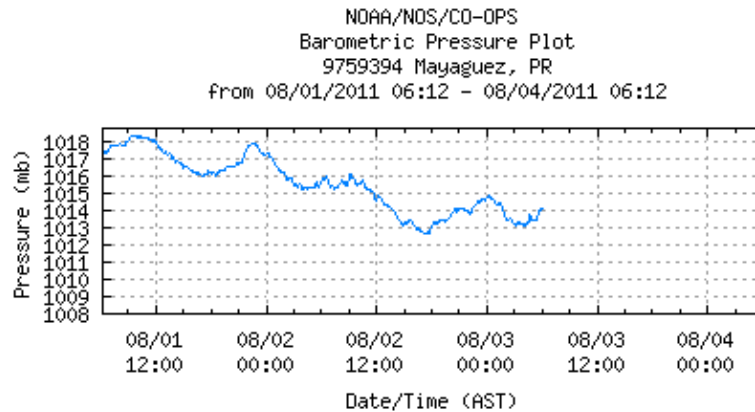


speed — gusts — direction +

Last Observed Sample: 08/03/2011 06:06 (AST)

**Wind Speed: 3 knots** **Gusts: 7 knots** **Direction: 55° T**

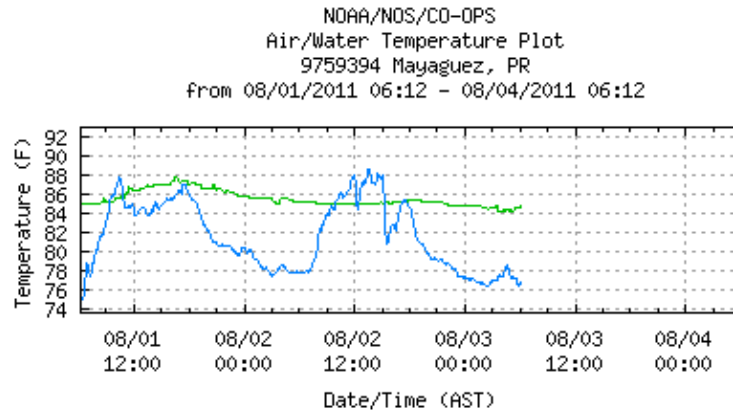
[Mayaguez, PR - Return to List](#)



Last Observed Sample: 08/03/2011 06:06 (AST)

Barometric Pressure: 1014.1 mb

[Mayaguez, PR - Return to List](#)

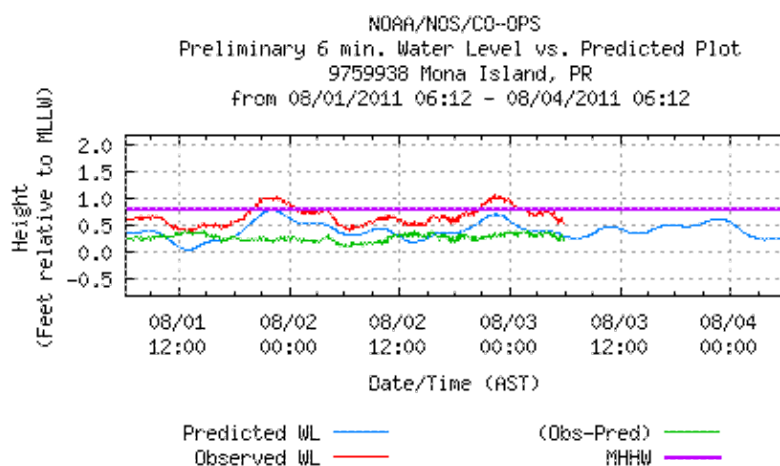


Last Observed Sample: 08/03/2011 06:06 (AST)

Water Temperature: 84.7° F Air Temperature: 76.8° F

Tropical Storm EMILY QuickLook, POSTED 06:00 AST 08/03/2011

[Mona Island, PR](#) - [Return to List](#)



Last Observed Sample: 08/03/2011 05:54 (AST)

Relative to MLLW: **Observed: 0.54 ft.** **Predicted: 0.30 ft.** **Residual: 0.24 ft.**

Historical Maximum Water Level: , 0 ft. above MHHW

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce